

Title (en)
STAINLESS SEAMLESS STEEL PIPE AND METHOD FOR PRODUCING SAME

Title (de)
ROSTFREIES NAHTLOSES STAHLROHR UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)
TUYAU D'ACIER INOXYDABLE SANS SOUDURE ET PROCEDE DE FABRICATION DE CELUI-CI

Publication
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Application
EP 20872010 A 20200827

Priority
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Abstract (en)
[origin: EP4012054A1] Provided herein is a stainless steel seamless pipe having high strength and excellent corrosion resistance. The stainless steel seamless pipe has a composition that includes, in mass%, C: 0.06% or less, Si: 1.0% or less, P: 0.05% or less, S: 0.005% or less, Cr: more than 15.7% and 18.0% or less, Mo: 1.8% or more and 3.5% or less, Cu: 1.5% or more and 3.5% or less, Ni: 2.5% or more and 6.0% or less, Al: 0.10% or less, N: 0.10% or less, O: 0.010% or less, W: 0.5% or more and 2.0% or less, and Co: 0.01% or more and 1.5% or less, and in which C, Si, Mn, Cr, Ni, Mo, Cu, and N satisfy the predetermined formula, and the balance is Fe and incidental impurities, the stainless steel seamless pipe having a microstructure containing at least 25% martensitic phase, at most 65% ferrite phase, and at most 40% retained austenite phase by volume, and the stainless steel seamless pipe having a yield strength of 758 MPa or more.

IPC 8 full level
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Citation (search report)
• [X] EP 3385403 A1 20181010 - JFE STEEL CORP [JP]
• [X] EP 2832881 A1 20150204 - NIPPON STEEL & SUMITOMO METAL CORP [JP]
• [X] WO 2019035329 A1 20190221 - JFE STEEL CORP [JP]
• [X] JP 2017039966 A 20170223 - NIPPON STEEL & SUMITOMO METAL CORP
• [A] EP 3112492 A1 20170104 - VALLOUREC OIL & GAS FRANCE [FR]
• [A] EP 3321389 A1 20180516 - JFE STEEL CORP [JP]
• [A] JP 2019163499 A 20190926 - NIPPON STEEL CORP
• [A] WO 2018131340 A1 20180719 - JFE STEEL CORP [JP]
• See references of WO 2021065263A1

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